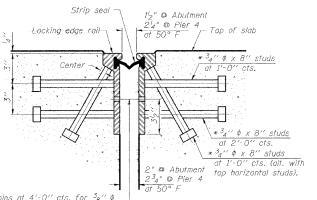
#### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
IL 75	(77BR)M			13	7
FED. ROAD DI	ST. NO. 7	ILLINOIS	FED, AID	PROJECT-	

SHEET NO. 5 8 SHEETS

\* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



SECTION THRU

ROLLED RAIL JOINT

 $\frac{7_{16}}{\text{bolts.}}$  \$\phi\$ holes at 4'-0'' cts. for  $\frac{3}{8}$ '' \$\phi\$ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

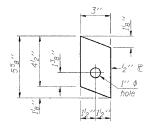
<u>ROLLED</u>

EXTRUDED RAIL

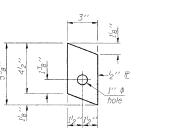
Strip seal~ 2<sup>1</sup>4" © Pier 4 at 50° F / Top of slab Lockina edae rail-\\*3<sub>4</sub>'' \$ x 8'' studs 23," @ at Abutments 35" @ Pier 4 Anchor plate
Place plates at 1'-0'' cts. (alt. with top horizontal studs)

 $\frac{7}{16}$  "  $\phi$  holes at 4'-0" cts. for  $\frac{3}{8}$ "  $\phi$  bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

# SECTION THRU



WELDED RAIL JOINT



ANCHOR P (for welded rail)

The strip seal shall be made continuous and shall have a minimum thickness of  ${}^{l}_{4}$ ". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

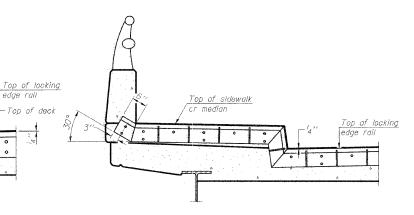
The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to

Article 520.03 of the Standard Specifications.



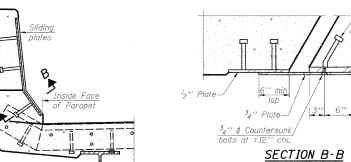
#### AT PARAPET

#### AT SIDEWALK OR MEDIAN

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

#### TYPICAL END TREATMENTS

\*3<sub>4</sub>'' \$ x 6'' Studs

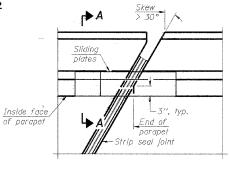


#### BILL OF MATERIAL

. Item	Unit	Total				
Preformed Joint Strip Seal	Foot	114				

### LOCKING EDGE RAILS

WELDED RAIL



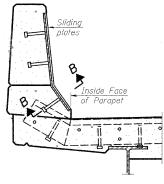
\*\*\*Back gouge not required if

is verified by mock-up.

LOCKING EDGE RAIL SPLICE The inside of the locking edge rail groove shall be free of weld

complete joint penetration

<u>PL AN</u>



SECTION A-A

POINT BLOCK DETAILS (for skews > 30°)

#### PREFORMED JOINT STRIP SEAL

IL ROUTE 75 OVER ROCK RIVER FAP ROUTE 505 (IL 75), SECTION (77BR)M WINNEBAGO COUNTY STATION 206+00 STRUCTURE NO. 101-0109

DATE: January, 2009 Soodan & Associates, Inc. 100 North LaSalle Street, Suite 1800 Chicago, Illinois 60602 Soodan

## DESIGNED M.H. CHECKED DRAWN CHECKED M.H./P.B.

EJ-SSJ

10-1-08